

OCH1	MNN4	MNN1	ALG3
α -1,6 mannosyltransferase	mannosylphosphate transferase	α -1,3 mannosyltransferase	α -1,3 mannosyltransferase
D11085	D83006	L23753	Z35844
Present Application	<i>S. cerevisiae</i>	<i>S. cerevisiae</i>	<i>S. cerevisiae</i>
<i>Candida albicans</i> (XM_711539) 53. 9%	<i>Saccharomyces castellii</i> (AY144983) 51. 6%	<i>Kluyveromyces lactis</i> (XP_454392) 53. 7%	XP 712105
<i>Kluyveromyces lactis</i> (AJ428417) 65. 0%	<i>Saccharomyces kluyveri</i> (AY145033)	<i>Candida albicans</i> (XM_718301) 38. 9%	<i>Candida albicans</i>
	<i>Saccharomyces bayanus</i> (AY144883, AY144884)	(XM_715622)	
	<i>Candida albican</i> (AF481861)	<i>Debaryomyces</i> (XM_458201) 40. 2%	
	34. 8%		
	<i>Aspergillus fumigatus</i> (XM_745038) 15. 0%		
	(XM_747540)		
Literature	PNAS, 100, 5022-5027 (2003)	Gene 324, 129-137 (2004)	Biochimica et Biophysica Acta, 1426, 227-237 (1999))

	Gn-T- I	α -mannosidase II	Gn-T- II	UDP-GlcNAc	Marker
α -mannosidase I	N-acetylglucosaminyl transferase I		N-acetylglucosaminyl transferase II		
α -1,2mannosidase					
D49827	NM030861	U31520	U15128		
Present Application	Rat	Human	Human	Human	URA3
<i>Mus musculus</i> (U04299) 38. 4%	<i>Kluyveromyces lactis</i> (AF106080) 30. 9%	<i>Gallus gallus</i> (XP_413979)			<i>Pichia pastoris</i> (AF321098)
<i>Drosophila melanogaster</i> (X82640) 36. 9%	<i>Pan troglodytes</i> (XM_518161) 94. 6%	<i>Xenopus laevis</i> (AAH72937)			<i>Candida albicans</i> (AF109400)
<i>Aspergillus nidulans</i> (AF129496) 83. 5%	Human				<i>Kluyveromyces lactis</i> (D00431)
<i>Caenorhabditis elegans</i> (NM_059715) 46. 1%	(M61829) 94. 6%				
Human(NM_005907)					
(NM_006689) 40. 1%					
(NM_020379)					
Literature	PNAS, 100, 5022-5027 (2003)	PNAS, 100, 5022-5027 (2003)	J Biol Chem. 2001 May 11;276(19): 16335-40. Epub 2001 Feb 9		